RC77

Ceramic Hob

User Guide

&

Installation & Service Instructions

U109916 - 04

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1. Before You Start...

Thank you for buying a Rangemaster hob. It should give you many years trouble-free cooking if installed and operated correctly. It is important that you read this section before you start, particularly if you have not used a ceramic hob before.

⚠ **This appliance is designed for domestic cooking only. Using it for any other purpose could invalidate any warranty or liability claim. In particular, the oven should NOT be used for heating the kitchen – besides invalidating claims; this wastes fuel and may overheat the control knobs.**

Installation and Maintenance

In the UK, the electrical installation should be in accordance with BS 7671. Otherwise, all installations must be in accordance with the relevant instructions in this booklet, with the relevant national and local regulations, and with the local electricity supply companies' requirements.

Make sure that the hob is wired in and switched on.

Only a qualified service engineer should service the hob and only approved spare parts should be used.

Always allow the hob to cool and then switch it off at the mains before cleaning or carrying out any maintenance work, unless specified otherwise in this guide.

Ventilation

Using a cooking appliance will result in the production of heat and moisture in the room in which it is installed. Make that the kitchen is well ventilated; keep natural ventilation holes open or install a powered cooker hood that vents outside. If you have several cooking zones on or use the hob for a long time, open a window or turn on an extractor fan.

Personal Safety

⚠ **Accessible parts will become hot during use and will retain heat even after you have stopped cooking. Keep babies and children away from the hob and never wear loose–fitting or hanging clothes while the appliance is in use.**

⚠ **When not in use make sure that the hob is switched OFF.**

⚠ **Always keep combustible materials, e.g. curtains, and flammable liquids a safe distance away from your hob.**

⚠ **Do not spray aerosols in the vicinity of the hob while it is on.**

⚠ **Use dry oven gloves when applicable – using damp gloves might result in steam burns when you touch a hot surface. Do not use a towel or other bulky cloth in place of a glove – it might catch fire if brought into contact with a hot surface.**

⚠ **Never operate the hob with wet hands.**

⚠ **Never heat unopened food containers. Pressure build up may make the containers burst and cause injury.**

⚠ **Do not use unstable saucepans. Always ensure that you position the handles away from the edge of the hotplate.**

Never leave the hotplate unattended at high heat settings. Pans boiling over can cause smoking, and greasy spills may catch on fire. Use a deep fat thermometer whenever possible to prevent fat overheating beyond the smoking point.

⚠ **Never leave a chip pan unattended. Always heat fat slowly, and watch as it heats. Deep fry pans should be only one third full of fat. Filling the pan too full of fat can cause spill over when food is added. If you use a combination of oils or fats in frying, stir them together before heating, or as the fats melt.**

Foods for frying should be as dry as possible. Frost on frozen foods or moisture on fresh foods can cause hot fat to bubble up and over the sides of the pan. Carefully watch for spills or overheating of foods when frying at high or medium high temperatures. Never try to move a pan of hot fat, especially a deep fat fryer. Wait until the fat is cool.

⚠ **Do not use water on grease fires and never pick up a flaming pan. Turn off the controls and then smother a flaming pan on a surface unit by covering the pan completely with a well fitting lid or baking tray. If available, use a multipurpose dry chemical or foam-type fire extinguisher.**

Take care that no water seeps into the appliance.

Hob Care

Never cook directly on the hob surface.

Do not use the hob surface as a cutting board.

Do not leave utensils, foodstuffs or combustible items on the hob when it is not is use (e.g. tea towels, frying pans containing oil).

Do not place plastic or aluminium foil, or plastic containers, on the hob.

Do not leave the hob zones switched on unless being used for cooking.

Never allow anyone to climb or stand on the hob.

Do not stand or rest heavy objects on the hob. Although the ceramic surface is very strong, a sharp blow or sharp falling object (e.g. a salt cellar) might cause the surface to crack or break.

Should a crack appear in the surface, disconnect the appliance immediately from the supply and arrange for its repair.

Always LIFT pans off the hob. Sliding pans may cause marks and scratches. Always turn the control to the OFF position before removing a pan.

Do not place anything between the base of the pan and the hob surface (e.g. asbestos mats, aluminium foil, Wok stand).

Care should be taken that no water seeps into the appliance.

Avoid heating an empty pan. Doing so may damage both the hob and pan.

Do not use abrasive cleaners/pads, oven aerosols/pads or stain removers on the surface.

We recommend that you avoid wiping any surface unit areas until they have cooled and the residual heat indicator has gone out. Sugar spills are the exception to this (see *'Cleaning your Hob'*). After cleaning, use a dry cloth or paper towel to remove any cleaning cream residue.

Cleaning

The ceramic surface should be washed after use in order to prevent it from becoming scratched or dirty.

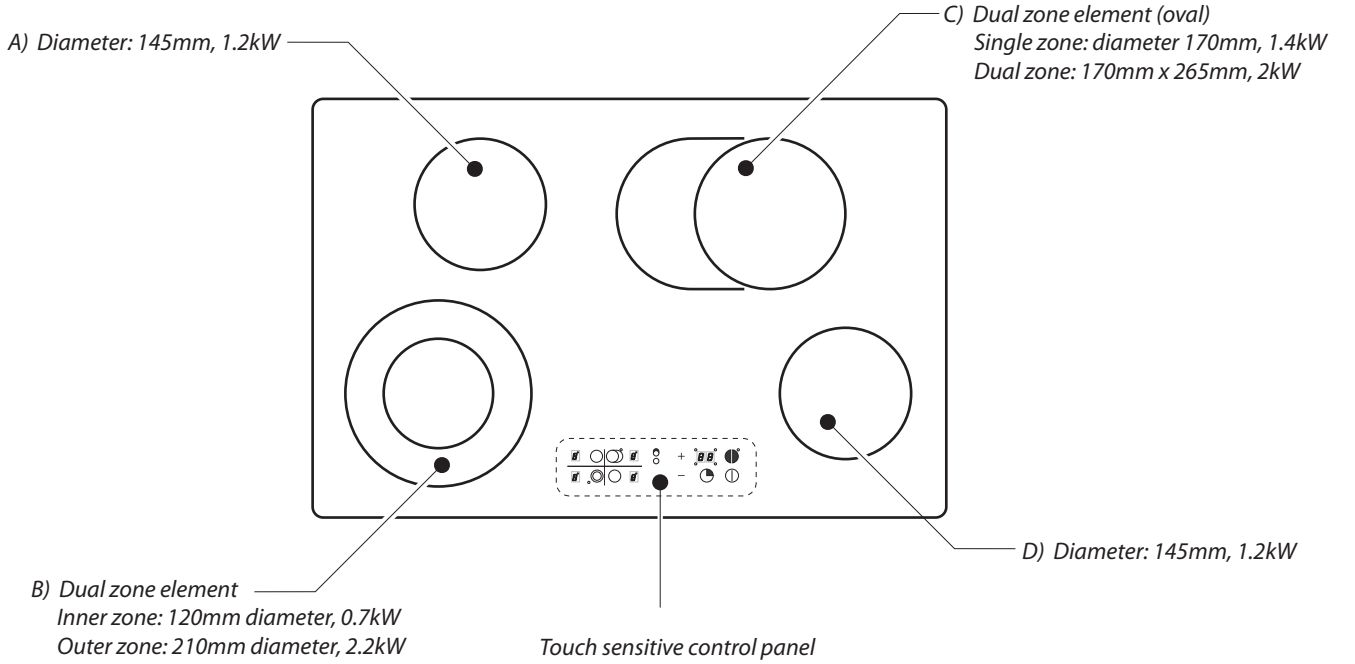
In the interests of hygiene and safety, the hob should be kept clean at all times as a build up in fats and other foodstuffs could result in a fire.

Clean only the parts listed in this guide.

Clean with caution. If a wet sponge or cloth is used to wipe spills on a hot surface, be careful to avoid steam burns. Some cleansers can produce noxious fumes if applied to a hot surface.

2. Hob Overview

Fig.2-1


A) Diameter: 145mm, 1.2kW
C) Dual zone element (oval)
Single zone: diameter 170mm, 1.4kW
Dual zone: 170mm x 265mm, 2kW
D) Diameter: 145mm, 1.2kW
B) Dual zone element
Inner zone: 120mm diameter, 0.7kW
Outer zone: 210mm diameter, 2.2kW
Touch sensitive control panel

The ceramic hob comprises of four cooking zones containing heating elements with different ratings and diameters **(Fig.2-1)**, each with a residual heat indicator.

One of the cooking zones has a circular dual element and another incorporates an oval dual element.

Each zone is controlled via the touch sensitive controls with an audible signal when operated.

The Hob

Use only pans that are suitable for ceramic hobs. We recommend stainless steel and enamelled steel pans, as pots and pans with copper or aluminium bases leave traces on the hob that are difficult to remove. Glass-ceramic cookware is not suitable because of its poor conductivity. *The kind of pan you use and the quantity of food affects the setting required. Higher settings are required for larger quantities of food*.

Pots and pans should have thick, smooth, flat bottoms **(Fig.2-2)**. This ensures the maximum heat transfer from the hob to the pan, making cooking quick and energy efficient. Never use a round-bottomed wok, even with a stand.

The very best pans have bases that are very slightly curved up when cold **(Fig.2-3)**. If you hold a ruler across the bottom you will see a small gap in the middle. When they heat up the metal expands and lies flat on the cooking surface.

Make sure that the base of the pan is clean and dry to prevent any residue burning onto the hob panel. This also helps prevent scratches and deposits.

Always use pans that are the same size as (or slightly larger than) the areas marked on the hob top **(Fig.2-4)**. Using smaller pans wastes heat, and any spillage will be burnt on.

Fig.2-2

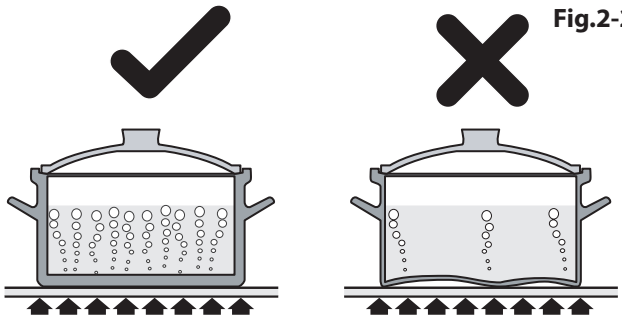


Fig.2-3

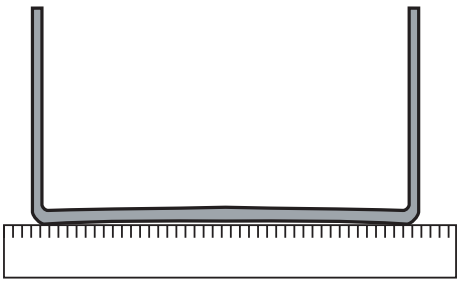


Fig.2-4

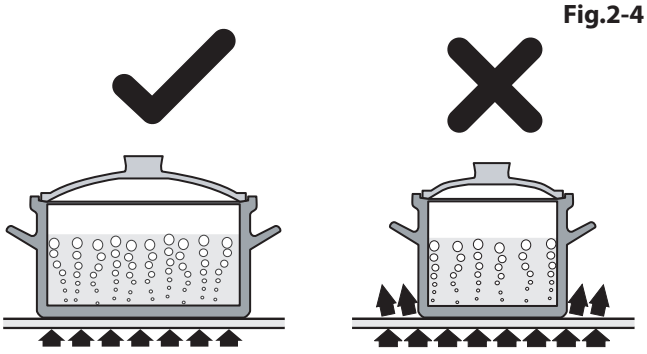
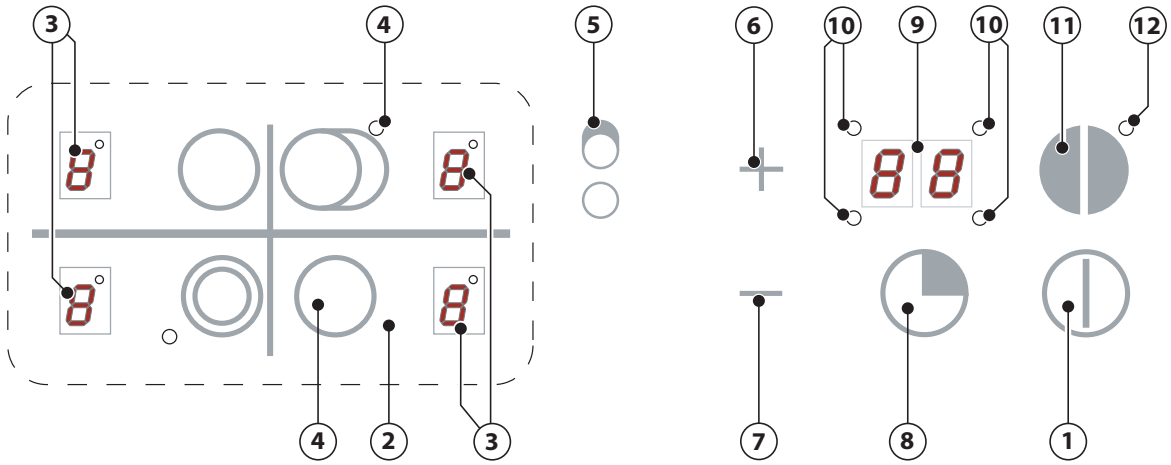


Fig.2-5



1. *Power ON/Power OFF*
2. *Cooking zone*
3. *Zone digital displays (4 off) including zone selector light*
4. *Dual element indicator lights (2 off)*
5. *Dual element selector key*
6. *'+' key*
7. *'–' key*
8. *Timer key*
9. *Timer digital display*
10. *Timer indicator lights (4 off)*
11. *Key lock*
12. *Key lock indicator light*

Fig.2-6

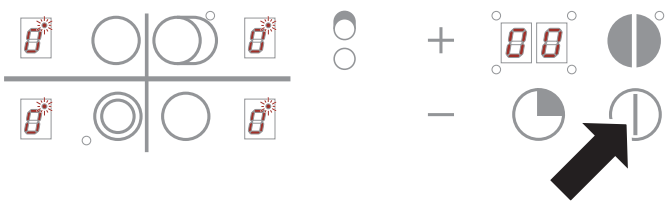
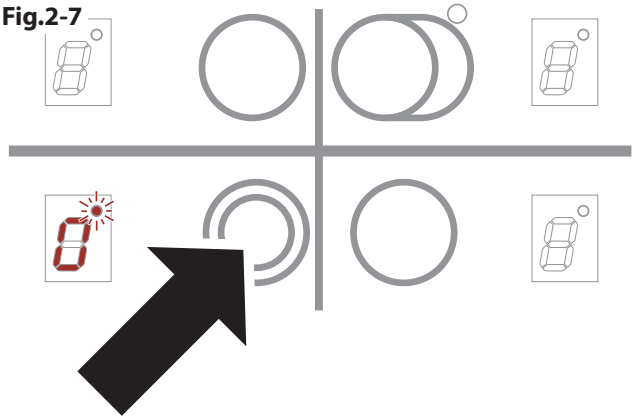


Fig.2-7



Using a lid will help the contents boil more quickly.

Always take care before touching the surface, even when the hob is turned off. It may be hotter than you think!

Residual heat indicator, 'H'

After use, a cooking zone will remain hot for a while as heat dissipates. When a cooking zone is switched off the residual heat indicator symbol, '*H*', will appear in the display. This shows that the cooking zone temperature is above 60°C and may still cause burns. Once the temperature has dropped to below 60°C the '*H*' will go out.

The Control Panel

The control panel consists of touch controls to operate the 4 cooking zones, the dual elements, the timer and child lock features **(Fig.2-5)**.

Operating the Hob

To switch on the hob press the On/Off key for about 2 seconds. Each of the cooking zone digital displays will illuminate, showing '0' and a flashing dot **(Fig.2-6)**.

Note: If further hob functions are not activated within 20 seconds it will automatically shut down.

To activate a cooking zone:

Select the required cooking zone by pressing the '+' key on the appropriate control. A red 'dot' will illuminate on the selected display to indicate that the zone has been selected **(Fig.2-7)**. Note that only one cooking zone can be selected at any one time.

Note: The control keys will toggle the zone selection on and off.

To increase the power level, press the '+' key, up to a maximum of '9'.

Note: The '+' keys have a repeat function: holding the key pressed down will increase the power setting by one level every 0.3 seconds.

To reduce the power to a cooking zone select the required zone, as indicated by the red dot in the display. Press the '–' key to reduce the power required.

Note: The '–' key has a repeat function: holding the key pressed down will reduce the power setting by one level every 0.3 seconds.

To shutdown a cooking zone:

Make sure the required cooking zone has been selected, as indicated by the red dot in the display. Reduce the power to 0. After three seconds have elapsed the element will switch off automatically.

Rapid shutdown:

To switch off a selected zone press the '+' and '–' keys simultaneously: this will immediately switch off that zone.

Note: After a zone has been switched off an '*H*' may appear in the display. This is a residual heat indicator that shows that the cooking zone temperature is above 60°C and may still cause burns. Once the temperature has dropped to below 60°C the '*H*' will go out.

To switch off all cooking zones:

All of the cooking zones can be immediately switched off by pressing the On/Off key. Any 'hot' zones that were in use will show an '*H*' in the display **(Fig.2-8)**.

Activating the Dual Elements

Select the required cooking zone: a red 'dot' will show on the relevant display. Set the required power level and then press the Dual Zone key **(Fig.2-9)**. The dual element selected will activate and an indicator will illuminate in the zone display.

The Dual Zone key will toggle the zones on and off.

Preheat Function

This function allows for rapid heating up of the element to bring the selected cooking zone up to temperature. Once the zone is at the required cooking temperature the power level will reduce automatically to the preset level.

To activate the preheat function:

Select the required cooking zone: a red 'dot' will show on the relevant display.

Press the '–' key to bring the element up to full power.

Press the '+' key to activate the auto function (as indicated by the 'A').

Use the '–' key to set the preset power level **(Fig.2-10)**.

When the 'A' alternates with the selected power setting the preheat function is in operation.

Fig.2-8

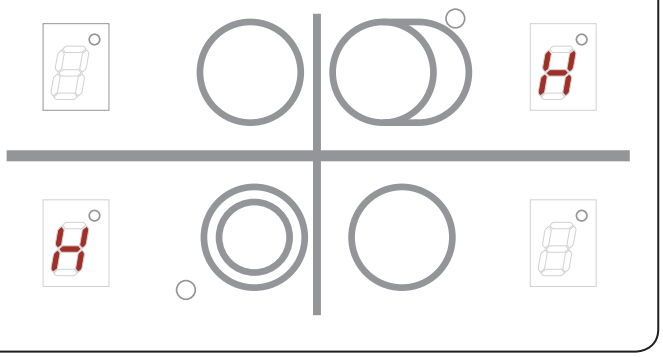


Fig.2-9

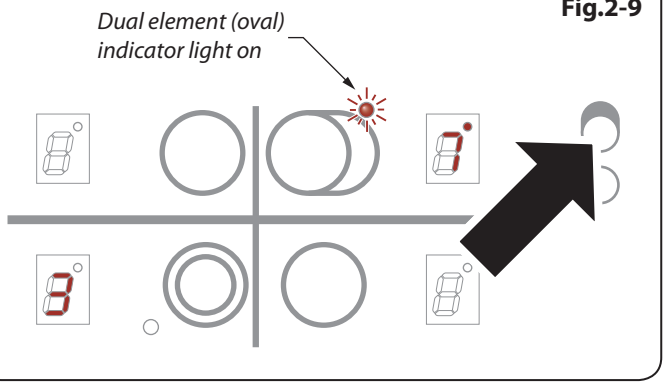


Fig.2-10

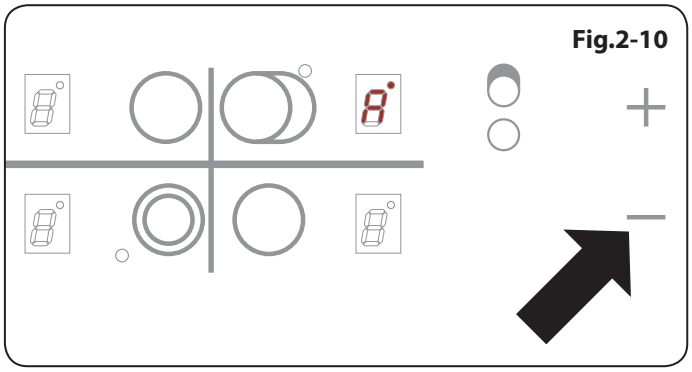


Fig.2-11

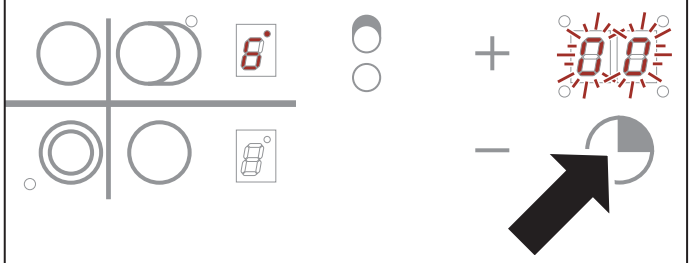


Fig.2-12

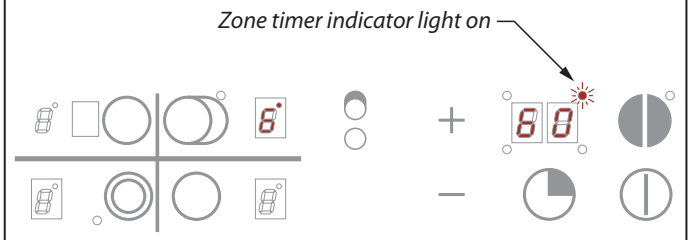
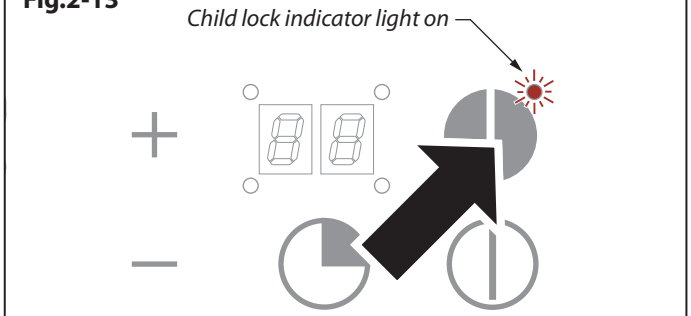


Fig.2-13



To adjust the preheat power level:

Select the cooking zone (make sure the dot is illuminated) and then press the '+' key to increase the power level. Pressing the '–' key after the preheat is underway will interrupt the operation, switching off the preheat and leaving the cooking zone operating at one power level lower.

Timer Function

The timer has two settings:

Zone timer

Minute timer

Zone timer

This allows one of the cooking zones to be set to cook up to a maximum of 99 minutes at a set power level. At the end of the cooking time an alarm will sound and the zone will turn off automatically.

Activating the timer:

Select the required cooking zone and then, using the '+' and '–' keys, set the desired cooking temperature. Press the timer key: the timer display will illuminate with '00' flashing **(Fig.2-11)**. Set the required cooking duration by pressing the timer key to increase the cooking time and the '–' key to reduce the cooking time.

Note: When the '00' is flashing, pressing the '–' key will set the timer to 60 minutes.

The timer will activate automatically within a few seconds and an indicator light will appear in the timer display corresponding the activated zone **(Fig.2-12)**.

Changing a previously set cooking time:

Select the cooking zone: a red dot will show in the display. Press the timer key once then press the '+' key to increase, or the '–' key to reduce the cooking time.

Interrupting the timer:

Select the required cooking zone; the red dot will light up in the display. Press the timer key and, using the '–' key, reduce the cooking time to '00'. This will switch off the timer but leave the cooking zone on until manually deactivated.

Pressing the '+' and '–' keys simultaneously will rapidly set the timer to '00'.

Turning off the timer alarm:

At the end of the cooking time the hob will beep steadily for 2 minutes. Press any key to stop the alarm.

Minute timer

The timer can also be used as a simple minute timer, up to a maximum of 99 minutes.

Setting the timer:

Make sure that none of the cooking zones has been selected (press the relevant key to deselect the cooking zone – the dot in the zone display will go out). Press the timer key and then, using the '+' and '–' keys, set the required time.

Turning off the timer alarm:

At the end of the cooking time the hob will beep steadily for 2 minutes. Press any key to stop the alarm.

Deactivating the timer:

Make sure that none of the cooking zones has been selected. Press the timer and '–' keys simultaneously. The timer display will return to '00'.

Child Lock Function

This allows the control panel to be locked to prevent any accidental use.

Activating the child lock:

IMPORTANT: Make sure that all cooking zones are switched off before operating the child lock. If the lock is operated when any cooking zones are active they will remain on. They can be switched off by turning the hob off.

Press the child lock key. The hob will beep and the lock indicator will light **(Fig.2-13)**. The hob is now locked. The child lock will remain on until it is unlocked. This includes switching the hob on and off.

Note: If a cooking zone is hot when locked, then '*H*' will show in the relevant display.

Deactivating the child lock:

Press the child lock key the lock indicator will go out. The hob is now unlocked.

Automatic Shutdown

If the touch controls are continuously activated for longer than 10 seconds (such as if wet cloth is left on the controls) then the hob will shut down automatically. The hob will beep as long as the touch controls are activated.

Note: If a cooking zone is hot when the automatic shutdown operates then an '*H*' will show in the relevant display.

Automatic Safety Shutdown

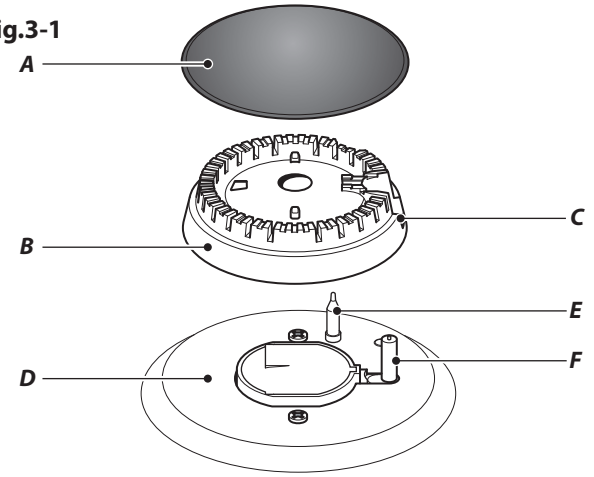
If any of the cooking zones has been left on by mistake the safety shutdown control will switch them off automatically after the time limit shown in the table is reached (**Table 2-1**).

Power level	*Operating limit*
1	*10 hours*
2	*5 hours*
3	*5 hours*
4	*4 hours*
5	*3 hours*
6	*2 hours*
7	*2 hours*
8	*2 hours*
9	*1 hour*

Table 2-1

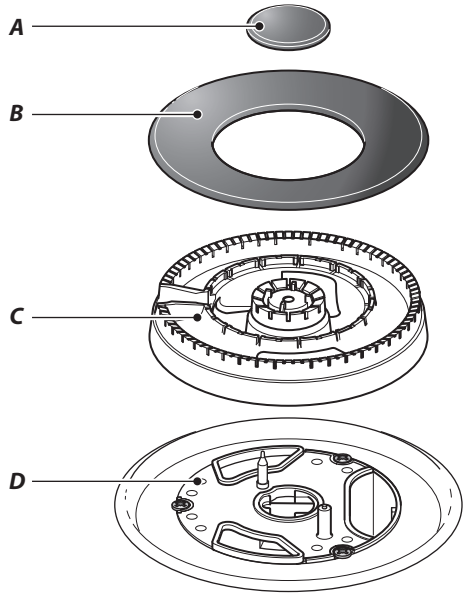
3. Cleaning Your Hob

Fig.3-1



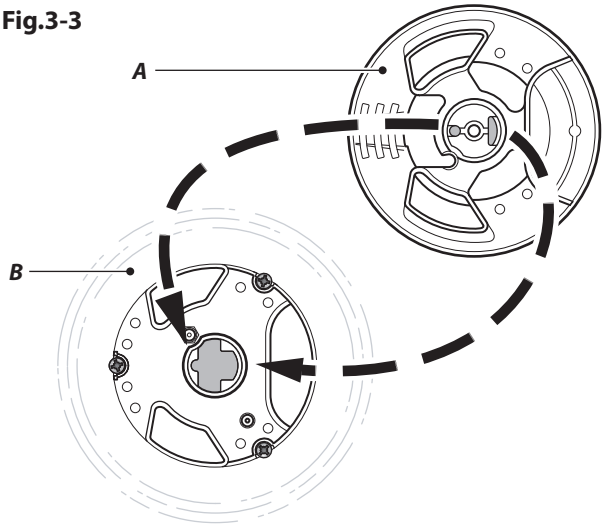
A – Cap, B – Head, C – Notch, D – Base, E – FSD, F – Electrode

Fig.3-2



A – Inner burner cap, B – Outer burner cap, C – Burner head, D – Burner base

Fig.3-3



A – Burner head (view from bottom), B – Burner base

Essential information

Allow the cooker to cool and then isolate the electricity supply before carrying out any thorough cleaning.

⚠ **Never use paint solvents, washing soda, caustic cleaners, biological powders, bleach, chlorine based bleach cleaners, coarse abrasives or salt. Do not mix different cleaning products – they may react together with hazardous results.**

All parts of the hob can be cleaned with hot soapy water – but take care that no surplus water seeps into the appliance.

Remember to switch on the electricity supply before re-using the cooker.

We have developed a range of cleaning products that give maximum performance without damaging the hob surfaces. More information is available through the Cookware Collection brochure supplied with your cooker and our website, www.rangemaster.co.uk.

Regular cleaning is recommended. For easier cleaning, wipe away any spillages immediately.

Hotplate Burners

The burner heads and caps can be removed for cleaning. Make sure they are absolutely dry before replacing them.

The single ring burners

When refitting the burner head, ensure that the notch and opening lines up with the electrode in the base **(Fig.3-1)**. Check that the burner head is level and that the cap is fitted centrally on the burner head.

The triple ring burner

The triple ring burner can also be taken apart for cleaning **(Fig.3-2)**.

When reassembling the burner, turn over the burner head and note the shape of the central boss **(Fig.3-3)**. Rotate the burner head until the central boss matches the shape of the burner base. Turn the head over and place it on the burner base.

Fit the 2 burner caps, making sure that they are seated properly.

Cleaning Table

Refer to the cleaning tables (**Table 3-1** and **Table 3-2**) for details on cleaning the hob.

The cleaners listed are available from supermarkets or electrical retailers. For enamelled surfaces use a cleaner that is approved fro use on vitreous enamel. The Vitreous Enamel Association has a list of approved suppliers. Contact them via their website www.ive.org.uk or telephone: 01527 893031.

Part	***Finish***	***Recommended cleaning method***
Hotplate top	*Stainless steel or glass*	*Hot soapy water and a soft cloth. remove stubborn stains gently with a nylon scourer.*
Pan supports	*Enamel coated cast iron*	*Cif cream cleaner and a nylon scourer; dishwasher.*
Burner caps	*Enamel*	*Cif cream cleaner and a nylon scourer; dishwasher.*
Burner heads	*Aluminium*	*Cif cream cleaner or similar with a soft cloth. Take care not to be too vigorous.*

Table 3-1 Cleaning the hotplate

Part	***Finish***	***Recommended cleaning method***
Control panel	*Stainless steel or glass*	*Damp soft cloth. Do not use abrasive cleaners on the lettering.*
Control knobs	*Plastic and brushed aluminium*	*Damp soft cloth.*

Table 3-2 Cleaning outside the hotplate

4. Troubleshooting

If there is an installation problem and I don't get my original installer to come back to fix it, who pays?

You do. Service organisations will charge for their call-outs if they are correcting work carried out by your original installer. Therefore, it's in your own interest to keep track of this installer so that you can contact them as required.

A crack has appeared in the hob surface.

Isolate the hob immediately from the power supply and arrange for its repair. Do not use the hob until it has been repaired.

The hob is scratched.

Always use the cleaning methods recommended in this guide. Make sure that pan bottoms are smooth and clean.

Marks from aluminium and copper pans, as well as mineral deposits from water and food, can be removed with a cleaning cream. However, tiny scratches that are not removable will become less visible in time as a result of cleaning.

7. Installation

Dear Installer

Before you start your installation, please complete the details BELOW.

Should your customer have a problem relating to your installation they will be able to contact you easily.

Installer's Name
Installer's Company
Installer's Telephone number
Appliance Serial Number

Safety Requirements

The hob must be installed in a well-ventilated space, in accordance with the section entitled *'Electrical Connection'*.

Read these instructions before installing or using the appliance.

Provision of Ventilation

All rooms require a window that can be opened, or equivalent, while some rooms require a permanent vent in addition to the window.

Location of the Hob

The hob may be installed in a kitchen/kitchen diner but NOT in a room containing a bath or shower.

This appliance is designed for domestic cooking only. Use for any other purpose could invalidate any warranty or liability claim.

⚠ **This appliance should not be installed in a boat or caravan.**

The hob must be installed in accordance with the relevant Building regulations and IEE regulations.

You will need the following equipment to complete the hob installation satisfactorily:

Multimeter (for electrical tests)

You will also need the following tools:

1. Electric drill
2. Jigsaw
3. Steel tape measure
4. Cross head screwdriver
5. Pencil
6. Sharp knife

Checking the parts

Ceramic hob
Fixing brackets and screws (4 off)
Seal

Check that the appliance is in a good condition after having removed the packaging. In case of doubt, do not use the appliance and contact the retailer.

Never leave the packaging materials (cardboard, plastic bags, polystyrene foam, etc.) within children's reach since they could become potential sources of danger.

Fig.5-1

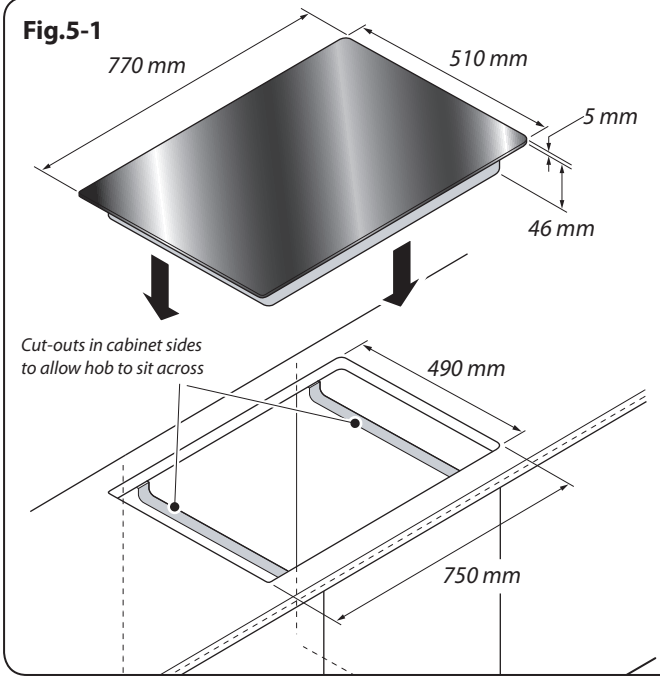


Fig.5-2

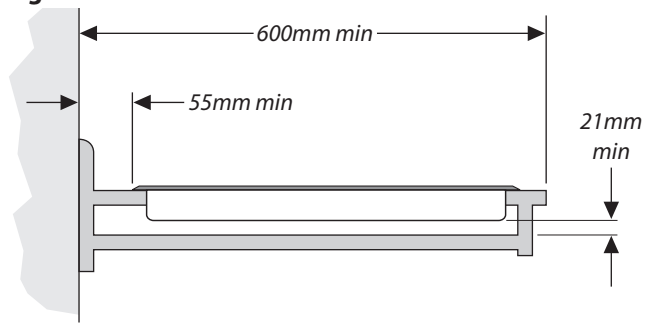
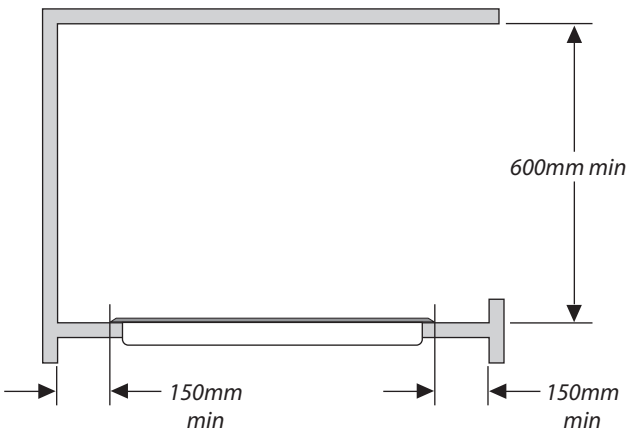


Fig.5-3



Positioning the Hob

The hob should be fitted into a work surface, which is at least 600mm deep. In position, the hob has a maximum thickness of 5mm from the top of the work surface, and an overall thickness of 45mm (65mm max depth including the connection block). The cut-out dimensions are shown in **(Fig.5-1)**, and the minimum clearances in **(Fig.5-2)**.

Note: If installing the hob over a standard cabinet, you may have to remove part of the cabinet panels to allow the unit to fit correctly.

It is recommended that the hob be installed in a worktop with a minimum thickness of 40mm. If installing a built-in oven directly under the hob then there should be a minimum air gap of 20mm between the oven and the bottom of the hob.

Failure to maintain a suitable clearance may impair the performance of the hob.

The minimum recommended distances from the hob to nearby surfaces are shown in **(Fig.5-3)**.

Any hob hood should be installed in accordance with the hood manufacturer's instructions.

Surfaces of furniture and walls at the sides and rear of the hob should be heat, splash and steam resistant. Certain types of vinyl or laminate kitchen furniture are particularly prone to heat damage and discolouration.

We cannot accept responsibility for damage caused by normal use of the hob to any material that de-laminates or discolours at temperatures less than 65°C above room temperature.

For safety reasons curtains must not be fitted immediately behind the hob.

Fixing the Hob

The hob must be sealed to the work surface to prevent liquid from entering into the cabinet. A tape seal is supplied with the hob.

Carefully follow these instructions to correctly apply the seal: Turn the hob over and place in on a secure, level surface. Detach the seal from the backing, checking that the transparent protection still adheres to the seal itself. Carefully position the seal along the edge of the hob. Take special care in the corners making sure there are no gaps. The ends of the strips must fit together without overlapping.

If the surface that the hob is to be fitted to is tiled or is not reasonably smooth, additional sealing with a waterproof silicone sealant may be required.

Turn the hob back the right way up and position it in the worktop cut-out.

Secure the hob to the worktop using the brackets supplied. The positioning of the bracket (and sleeve) is dependent on the thickness of the worktop as shown in **(Fig.5-4)**.

Note: Slide the optional sleeve onto the bracket if fitting to thin work surfaces.

Locate the bracket to the slot on the hob base and then tighten the retaining screw until it is locked to the worktop.

Electrical Connections

This appliance must be installed by a qualified electrician to comply with the relevant Institute of Electrical Engineers (I.E.E.) regulations and also the local electricity supply company requirements.

⚠ WARNING: THIS APPLIANCE MUST BE EARTHED

Note: All external wiring must comply with the IEE Regulations for the Electrical Equipment of Buildings. Connection to the electrical supply can be made with either a plug and socket, or be permanently wired via a double pole switch.

If a replacement cable is fitted it must be 250V high temperature PVC (85°C), 6mm^2 minimum conductor size.

Connect the hob up as shown **(Fig.5-5)**.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Green and yellow:	**Earth**
Blue:	**Neutral**
Brown:	**Live**

Hob Check

Check each cooking zone in turn.

Customer Care

Please complete your contact details in the front of this section. Please inform the user how to operate the hob and hand over the instruction pack.

Thank you.

Fig.5-4

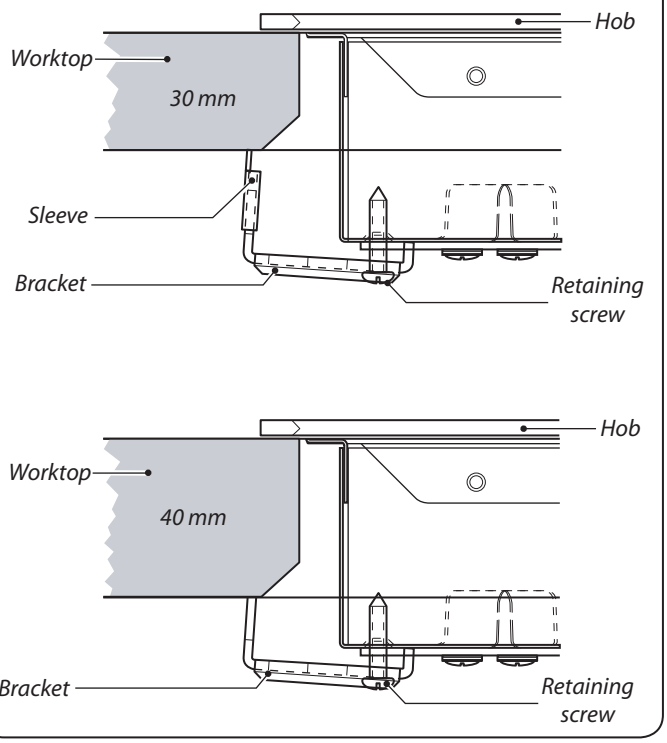
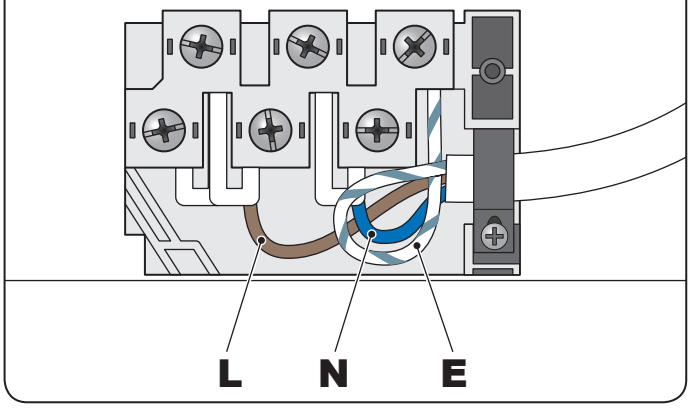
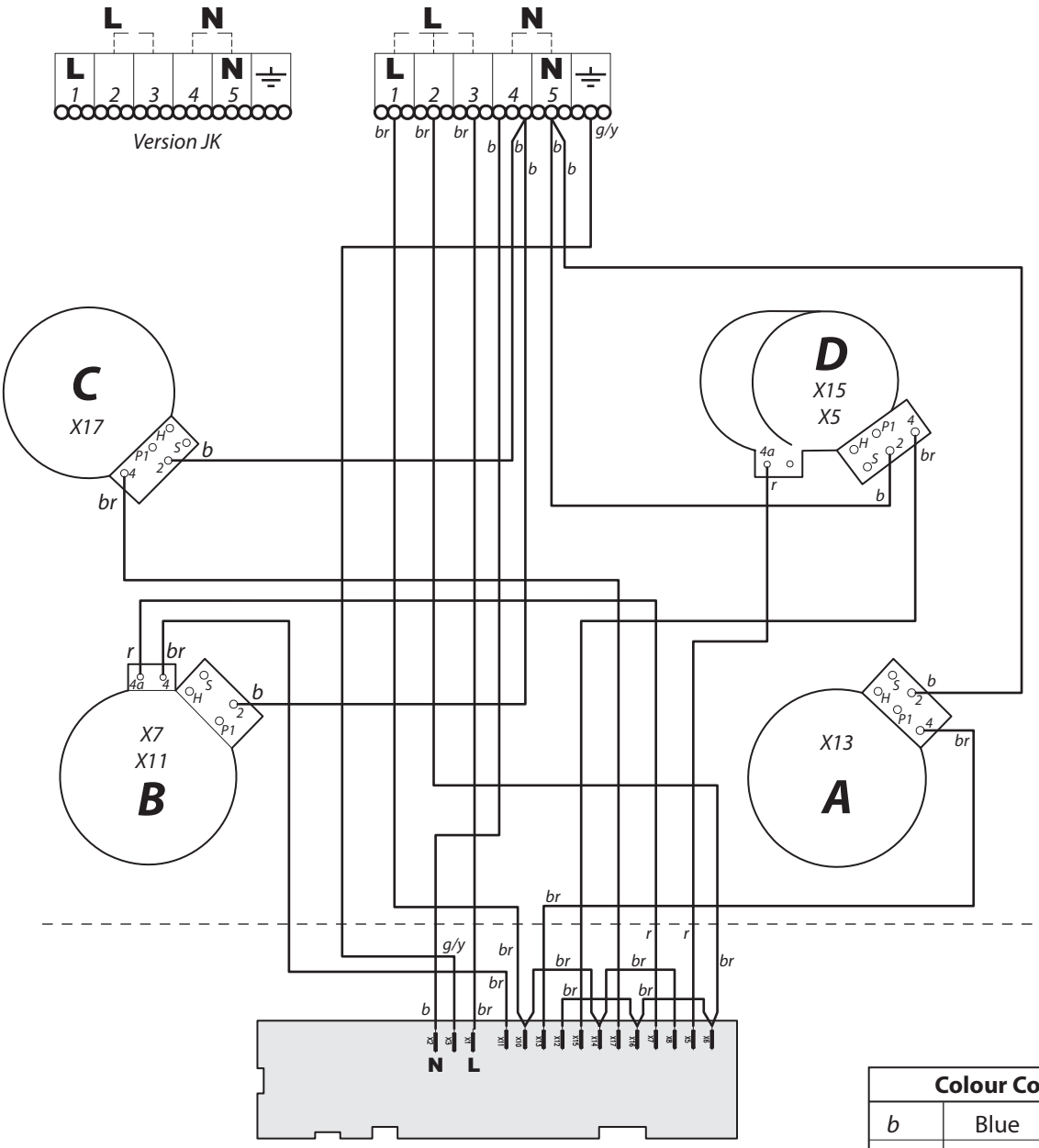
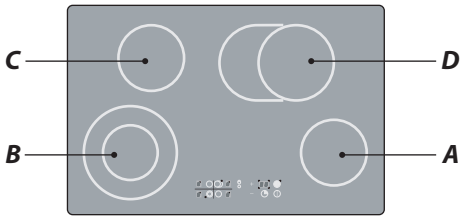


Fig.5-5



6. Circuit Diagram





Colour Code	
b	Blue
br	Brown
bk	Black
or	Orange
r	Red
v	Violet
w	White
y	Yellow
g/y	Green/yellow
gr	Grey

7. Technical Data

INSTALLER: Please leave these instructions with the user.

DATA BADGE LOCATION: Base of the hob

COUNTRY OF DESTINATION: GB/IE

Dimensions

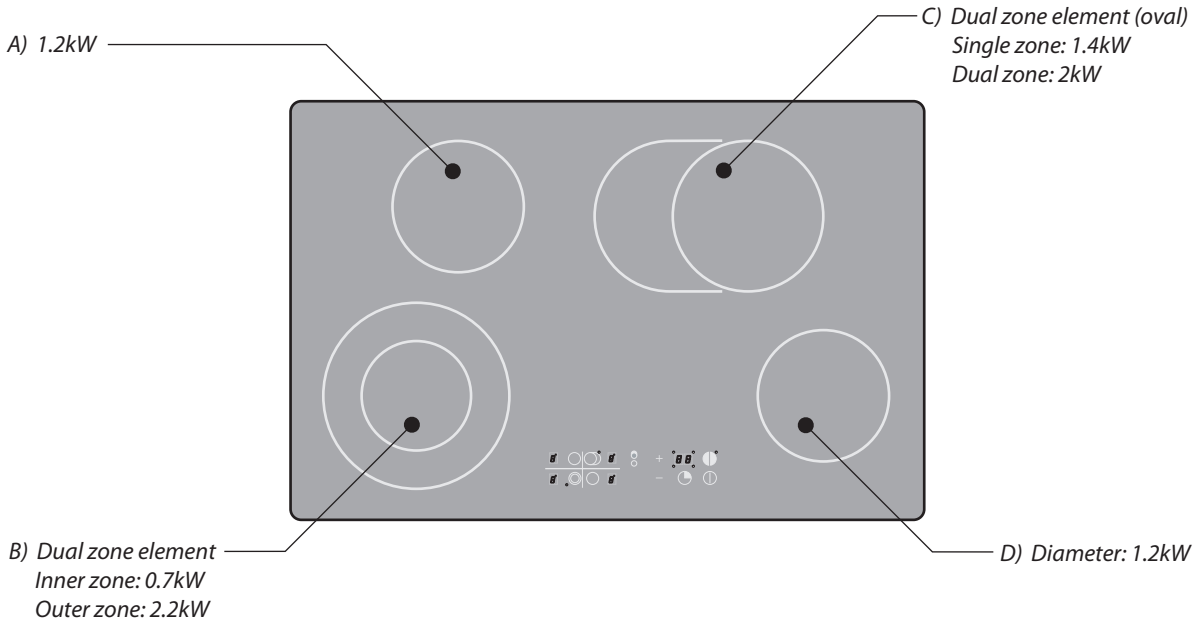
Height	Overall: 45mm; (65mm including connection box)	Above worktop: 5mm; Below worktop: 40mm
Overall width	770mm; see *'Positioning of the hob'*	
Overall depth	510mm	
Space for fixing	See *'Positioning of the hob'*	
Minimum space above hotplate	600mm	

Connections

Electric
220 – 240V 50Hz

Ratings

Maximum electric load at 230V 50Hz: 5.8kW



8. Warranty/After Sales Service

If consultation or technical assistance is needed, please provide the local authorised service agent with the purchase invoice and the product code/serial number.

The 2 years free maintenance for the operation of the appliance started from the date of purchase of this product.

Any cosmetic damage to the appliance must be reported within 90 days of delivery.

For in-warranty service please call: **0845 6035312**.

For general enquiries please call: **0870 7895107**.

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